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CENTRAL INTELLIGENCE AGENCY

REPORT NO.

# INFORMATION REPORT

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COUNTRY Germany (Bussard Zone)

DATE DISTR 7 May 1952

SUBJECT Production at the HF-Werk, Berlin-Oberschoeneweide

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PLACE ACQUIRED

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SUPPLEMENT TO REPORT NO.

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SOURCE

1. In the manufacture of grids for radio tubes, grid-bars are required, around which the grid filaments are coiled. The tolerance of most grids is between 1/10 and 1/30 of a millimeter, consequently these must be accurately made. At the HF-Werk, in Berlin-Oberschoeneweide, these bars were formerly made in the tool shop. About 15 men were employed in their manufacture and sometimes it required 13 man-hours to make one. Research has now developed a process by which it is possible to make the bars by a screw-press operation. The process set-up is so arranged that the pressed parts are ejected by a spring. By this means time is reduced from thirteen to five hours. The durability of the bars is increased 10 percent through the compression of the material in the pressing process. The first pressed bars were turned out on 10 March 1952. Workshops for the rest of the grids are being installed. The bars are made of lead.
2. According to works employees, the production quota for 6Y5 tubes was 2,750 per day; for 6V6, 700 per day. At the present time tubes are being manufactured according to the 1952 production plan, in which the quotas for the different tubes are changed.
3. The works at present employ about 7,000 hands. The number is to be increased this year to 12,000, in accordance with the increased production.

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